## STATE OF UTAH

					DEPARTMENT DIVISION O						AMENE	DED REPO	RT 🗾			
APPLICATION FOR PERMIT TO DRILL										1. WELL NAME and NUMBER GMBU 1-16-9-17H						
2. TYPE OF WORK  DRILL NEW WELL REENTER P&A WELL DEEPEN WELL DEEPEN WELL										3. FIELD OR WILDCAT MONUMENT BUTTE						
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO										5. UNIT or COMMUNITIZATION AGREEMENT NAME  GMBU (GRRV)						
Oil Well Coalbed Methane Well: NO  6. NAME OF OPERATOR  NEWFIELD PRODUCTION COMPANY									7. OPERATOR PHONE 435 646-4825							
8. ADDRE	ESS OF OPERA					9. OPERATOR E-MAIL mcrozier@newfield.com										
10. MINE	RAL LEASE N	on, UT, 84052  1. MINERAL OWNERSHIP				12. SURFACE OWNE		ewfield.coi	m 							
(FEDERA	L, INDIAN, OI	R STATE) ML-3453B		FEDERAL INDIAN STATE FEE					FEDERAL INDIAN STATE FEE							
13. NAMI	E OF SURFACE	OWNER (if box 1	L2 = 'fee')							14. SURFACE OWNER PHONE (if box 12 = 'fee')						
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')										16. SURFACE OWNER E-MAIL (if box 12 = 'fee')						
		OR TRIBE NAME			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS					19. SLANT  VERTICAL DIRECTIONAL HORIZONTAL						
(if box 1	2 = 'INDIAN')				YES (Submit Commingling Application) NO											
20. LOC	ATION OF WE	LL	T	FOO	DTAGES		R-QTR	SECT	ION	TOWNSHIP R		ANGE MER		RIDIAN		
LOCATIO	ON AT SURFA	CE	10:	37 FNL	L 406 FEL	N	NENE	16		9.0 S 1		7.0 E S		S		
Top of U	Ippermost Pro	ducing Zone	10:	37 FNL	L 406 FEL	N	NENE	16		9.0 S 1		17.0 E S		S		
At Total Depth 100 FSL					2600 FEL	S	SWSE	16		9.0 S 1		17.0 E		S		
21. COUNTY  DUCHESNE  22. DISTANCE TO NEAREST LEASE LINE (Feet) 100 23. NUMBER OF ACRES IN DRILLING UNIT 640																
						ANCE TO NEAREST WELL IN SAME POOL For Drilling or Completed) 1320				<b>26. PROPOSED DEPTH</b> MD: 10187 TVD: 5574						
					28. BOND NUMBER					29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-7478						
5238 B001834 43-7478  Hole, Casing, and Cement Information																
String	Hole Size	Casing Size	Length	Wei			_			Cement Sa			Yield	Weight		
SURF	12.25	8.625	0 - 500		1.0 J-55 ST		8.		Class G			203	1.17	15.8		
PROD	7.875	5.5	0 - 6033	20	0.0 N-80 LT	T&C	9.	.0	Premium Lite High Strength 50/50 Poz			196 277	3.53 1.24	11.0		
T1	7.875	4.5	0 - 10187	11	l.6 P-110 L	T&C	9.	.0	No Used			0	0.0	0.0		
ATTACHMENTS																
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES																
WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER								COMPLETE DRILLING PLAN								
AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)							FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER									
DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)							TOPOGRAPHICAL MAP									
NAME M	andie Crozier	TITLE Regulatory Tech				РНО	PHONE 435 646-4825									
SIGNATURE					<b>DATE</b> 09/09/2011				EMA	EMAIL mcrozier@newfield.com						
<b>API NUMBER ASSIGNED</b> 43013509590000					APPROVAL				B	mosgill						
						Permit Manager										

## T9S, R17E, S.L.B.&M. $N89^{\circ}58'W - 79.94 (G.L.O.)$ S89°11'27"W - 2641.28' (Meas.) S88°57'16"W - 2640.52' (Meas.) Brass Cap Pile of Brass Cap Stones (Meas.) Top of Hole 2642.45' WELL LOCATION: NO1.01.28"W 1-16-9-17H ELEV. UNGRADED GROUND = 5238.4' 1910 (G.L.O.) Brass 1910 Brass Cap NOTES: 40.02'W 2646.09 62, 2642. PREPARED FROM FIELD MADE BY ME OR UNDAR V01°01'20"W Bottom 1910 2600' Brass Cap Brass Cap 2638.79' (Meas.) S89°03'25"W - 2638.90' (Meas.) Ľ100' 1910 S89°06'02"W Brass Cap N89°59'W - 79.98 (G.L.O.) SECTION CORNERS LOCATED 1-16-9-17H (Surface Location) BASIS OF ELEV: Elevations are base on NAD 83 $LATITUDE = 40^{\circ} 02' 07.30''$ LOCATION: an N.G.S. OPUS Correction. LAT. 40°04'09.56" LONG. 110°00'43.28" LONGITUDE = 110° 00' 13.06' (Tristate Aluminum Cap) Elev. 5281.57'

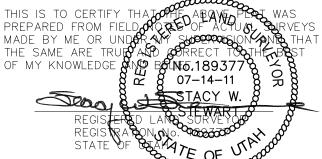
## NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 1-16-9-17H, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 16, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 1-16-9-17H, LOCATED AS SHOWN IN THE SW 1/4 SE 1/4 OF SECTION 16, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



- 1. Well footages are measured at right angles to the Section Lines.
- 2. Bearings are based on Global Positioning Satellite observations.



## TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501

DATE SURVEYED: 05-03-11	SURVEYED BY: K.S.	VERSION:
DATE DRAWN: 06-06-11	DRAWN BY: M.W.	\/2
REVISED: 07-14-11 F T M	SCALE: 1" = 1000'	V Z